

Interoperability

Seamless integration with design and scheduling software

SYNCHRO Pro creates an environment that interoperates with all major 3D modeling technology and scheduling applications in the market.

Deploying this environment, with a real-time transactional database and open application program interface (API) running on Microsoft Azure Cloud, opens the door for total participation from the construction supply chain.

Scheduling data	Models	Resources
Import milestone dates, critical path method schedules, rough timeframes and levels of effort.	Import any 3D model, whether a simple block for a work area or a full project model.	Import labor, cost, material, equipment, location based, and status information.

Scheduling Integrations

Integrating technology can bring tremendous value – and a challenge at the same time. From day 1, SYNCHRO 4D enabled applications have been designed to allow our customers to integrate SYNCHRO 4D products with other industry standard technology. We want you to think differently and to challenge the status quo but we work hard to make workflows and interoperability as seamless as possible. As we continue to grow and evolve our software, we will continue to partner with other technology providers to maximize the efficiencies and benefits technology brings to the construction industry.





Design Integrations

File Import	File Extension(s)
ACIS	SAT, SAB
Autodesk AutoCAD	DWG, DXF
Autodesk Navisworks	DWF, DWFX, SP (SYNCHRO Plugin required)
Autodesk 3DsMax	FBX
Autodesk Inventor	IPT, IAM
Autodesk Revit	DWF, SP (SYNCHRO Plugin required)
Bentley MicroStation	DGN
Bentley SS4	DGN, SP (SYNCHRO Plugin required)
CATIA V4	EXP, DLV, MODEL, SESSION
CATIA V5	CATProduct, CATPart, CATDrawing, CATShape, CGR
Collada	DAE
Dassault Systems	3D XML
HOOPS stream file	HSF
I-deas	MF1, ARC, UNV, PKG
IFC	IFC 2×3, 2×2
IGES part files	IGES, IGS
PTC ProE/Creo	PRT, ASM, NEU, XAS, XPR
Rhino	3DM
Siemens NX	PRT
Siemens Parasolid	xmt_bin, x_b, x_t, xmt_txt
Solid Edge	ASM, PAR, PWD, PSM
SolidWorks	SLDASM, SLDPRT
STEP part files	STEP, STP
Stereo Lithography	STL



Trimble SketchUp	SKP
UGS JT	JT
Unigraphics NX	PRT
Universal 3D	U3D
VDA-FS	VDA
VRML files	VRML, WRL
3D PDF	PDF, PRC

File Export	File Extension(s)
Autodesk	DWF, DWFX
Autodesk FBX	FBX
Collada	DAE
HOOPS Stream File	HSF
VRML '97	Only geometries, Beta-version WRL
3D PDF	PDF, PRC



Downloads and Plugins for SYNCHRO Pro



Primavera P6 Integration

- **Instructions for XML Export**
Within SYNCHRO Pro, go to Help (F1) and follow this path:
Interoperability: Planning Systems > Working with Primavera P6 > Importing XML Files
- **Instructions to install and configure the API**
Within SYNCHRO Pro, go to Help (F1) and follow this path:
Interoperability: Planning Systems > Working with Primavera P6 > SYNCHRO Integration with Primavera P6



Powerproject Integration

Import schedules from Powerproject (formerly Asta Powerproject) to SYNCHRO. Powerproject must be installed on your machine.

The integration requires a purchased license for SYNCHRO Pro 2018 and below. No additional costs for SYNCHRO Pro 2019.

Within SYNCHRO Pro, go to Help (F1) and search for Powerproject.



Sketchup Plugin

[Sketchup Plugin installation guide](#)



MicroStation Plugin

[MicroStation Plugin Guide](#)

[MicroStation Plugin, SYNCHRO version 5 and above, compatible with MicroStation V8i SELECTseries 4.](#)



SYNCHRO 4D

VIRTUAL CONSTRUCTION, PLANNING,
AND MODEL-BASED WORKFLOWS



Navisworks Plugins

[Navisworks Manage Plugin, SYNCHRO Pro version 6.0.1.2](#), compatible with Navisworks Manage 2019

[Navisworks Manage Plugin, SYNCHRO Pro version 6](#), compatible with Navisworks Manage 2018, 2017, 2016

[Navisworks Manage Plugin, SYNCHRO Pro version 5](#), compatible with Navisworks Manage 2018, 2017, 2016



Revit Plugins

The Revit plugin allows you to export directly from Revit to the SYNCHRO .SPX format for data exchange with SYNCHRO Pro. The plugin also provides options to export rooms as Workspaces, generate Workplanes and Viewpoints for levels, and to control the specific user fields to export.

If you have multiple versions of Revit installed on your computer, the installer will prompt you for which one to install.

[Revit Plugin, SYNCHRO Pro version 6.0.1.2](#), compatible with Revit 2019

[Revit Plugin, SYNCHRO Pro version 6](#), compatible with Revit 2018, 2017, 2016

[Revit Plugin, SYNCHRO Pro version 5](#), compatible with Revit 2018, 2017, 2016

[Revit Plugin Guide, SYNCHRO Pro version 5](#)